Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/19/2017 10:16 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124390	-1	1.29	124283	1.28
Blue	F	SSC	125000	123982	-1	3.00	124287	2.80
Blue	E	FITC	23615	22995	-3	2.47	1029	10.48
Blue	D	PE	26739	26273	-2	1.98	944	9.94
Blue	B	PerCP-Cy5-5	48339	47744	-2	3.39	1370	17.06
Blue	A	PE-Cy7	45021	44534	-2	5.09	688	35.69
Red	C	APC	53064	52108	-2	2.77	2999	9.51
Red	A	APC-Cy7	57175	56757	-1	2.80	1178	11.22
Violet	B	V450	14728	13904	-6	5.60	666	10.14
Violet	A	V500	58621	56229	-5	5.49	2485	7.66

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19640	2.18	608	-6	N/A	N/A	Pass
Blue	F	SSC	61465	1.47	547	1	N/A	N/A	Pass
Blue	E	FITC	114	40.12	545	-3	0.0198	173	Pass
Blue	D	PE	208	29.65	535	-1	0.1589	265	Pass
Blue	B	PerCP-Cy5-5	214	46.62	634	-1	0.0100	145	Pass
Blue	A	PE-Cy7	75	121.78	692	-1	0.0118	20	Pass
Red	C	APC	350	27.77	596	-1	0.0201	63	Pass
Red	A	APC-Cy7	130	41.41	580	0	0.0056	1965	Pass
Violet	B	V450	81	44.98	467	-3	0.0427	2066	Pass
Violet	A	V500	182	22.98	494	-3	0.0136	256	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.74	-31.28	0.91
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.35
Red	18.72	14.40 - 21.60	N/A	N/A	31.07	31.49	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9593

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments